

ABSTRACT

System for determining the position of a transponder, which transmits a signal and moves along a route with at least a measuring station comprising antenna means for receiving said signal at least at two measuring points positioned at the two outer points of a line segment which crosses the course in a perpendicular manner, whereby said measuring station comprises: a first receiver for receiving said signal through said antenna means at the one measuring point and a second receiver for receiving said signal through said antenna means at the other measuring point, high frequency/phase measuring means measuring the phase difference between the output signal of the first receiver and the output signal of the second receiver, evaluation means which, based on the measured phase difference, determines where the transponder passes said line segment.